



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Anna-Karin Olsson, et al.      Art Unit : 1646  
Serial No. : 10/067,093      Examiner : Unknown  
Filed : February 4, 2002  
Title : HISTIDINE-RICH GLYCOPROTEIN

Commissioner for Patents  
Washington, D.C. 20231

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The following correspondence relating to this application is enclosed for filing:

1. Information Disclosure Statement (1 page);
2. Form PTO-1449 (3 pages);
3. Copies of Cited References (52); and
4. A Return Postcard.

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Respectfully submitted,

Date: July 15, 2002

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INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12389-003001	Application No. 10/067,093
<b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Anna-Karin Olsson, et al.	
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### U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,946,778	08/07/90	Ladner et al.			
	AB	5,545,806	08/13/96	Lonberg et al.			JUL 23 2002
	AC	5,569,825	10/29/96	Lonberg et al.			TECH CENTER 1600/2900
	AD	5,854,205	12/29/98	O'Reilly et al.			

### Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AE							

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AF	GenBank Accession No. U32189 ✓
	AG	GenBank Accession No. AF194028 ✓
	AH	GenBank Accession No. AF194029 ✓
	AI	GenBank Accession No. NM_000412 ✓
	AJ ✓	Auerbach et al., "Assays for Angiogenesis: A Review," <u>Pharmac. Ther.</u> , 1991, 51:1-11
	AK ✓	Ausubel et al. (eds.), <u>Short Protocols in Molecular Biology</u> , 1992, Second Edition, Green Publishing Associates and John Wiley & Sons, New York, Chapter 11, pp. 11-1 – 11-54
	AL ✓	Beauchamp et al., "A New Procedure for the Synthesis of Polyethylene Glycol-Protein Adducts; Effects on Function, Receptor Recognition, and Clearance of Superoxide Dismutase, Lactoferrin, and $\alpha_2$ -Macroglobulin," <u>Analytical Biochemistry</u> , 1983, 131:25-33
	AM ✓	Borza et al., "Domain Structure and Conformation of Histidine – Proline-Rich Glycoprotein," <u>Biochemistry</u> , 1996, 35:1925-1934
	AN ✓	Cole et al., "The EBV-Hybridoma Technique and its Application to Human Lung Cancer," <u>Monoclonal Antibodies and Cancer Therapy</u> , 1983, Alan R. Liss, Inc., pp. 77-96
	AO ✓	Cote et al., "Generation of human monoclonal antibodies reactive with cellular antigens," <u>Proc. Natl. Acad. Sci. USA</u> , 1983, 80:2026-2030
	AP ✓	David and Reisfeld, "Protein Iodination with Solid State Lactoperoxidase," <u>Biochemistry</u> , 1974, 13(5):1014-1021
	AQ ✓	Dieffenbach et al. (eds.), <u>PCR Primer – A Laboratory Manual</u> , 1995, Cold Spring Harbor Laboratory Press (Table of Contents only)
	AR ✓	Dixelius et al., "Endostatin-induced tryosine kinase signaling through the Shb adaptor protein regulates endothelial cell apoptosis," <u>Blood</u> , 2000, 95(11):3403-3411
	AS ✓	Drasin and Sahud, "Blood-Type and Age Affect Human Plasma Levels of Histidine-Rich Glycoprotein in a Large Population," <u>Thromb. Res.</u> , 1996, 84(3):179-188

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		Filing Date February 4, 2002	Group Art Unit 1646

### Other Documents (include Author, Title, Date, and Place of Publication)

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	AT ✓	Friedlander et al., "Definition of Two Angiogenic Pathways by Distinct $\alpha_v$ Integrins," <i>Science</i> , 1995, 270:1500-1502
	AU ✓	Gerwins et al., "Function of fibroblast growth factors and vascular endothelial growth factors and their receptors in angiogenesis," <i>Crit. Rev. Oncol./Hematol.</i> , 2000, 34:185-194
	AV ✓	Gilbert, <i>Developmental Biology</i> , 2000, Sixth Edition, Sinauer Associates, Inc., Sunderland, Massachusetts, Chapter 6, pp. 143-181
	AW ✓	Green et al., "Antigen-specific human monoclonal antibodies from mice engineered with human Ig heavy and light chain YACs," <i>Nature Genetics</i> , 1994, 7:13-21
	AX ✓	Heimbürger et al., "Humanserumproteine mit hoher Affinität zu Carboxymethylcellulose," <i>Hoppe-Seyler's Z. Physiol. Chem.</i> , 1972, 353:1133-1140
	AY ✓	Hennis et al., "Identification and Genetic Analysis of a Common Molecular Variant of Histidine-rich Glycoprotein with a Difference of 2KD in Apparent Molecular Weight," <i>Thromb. Haemost.</i> , 1995, 74(6):1491-1496
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	AAA ✓	Hulett and Parish, "Mutine histidine-rich glycoprotein: Cloning, characterization and cellular origin," <i>Immunol. Cell Biol.</i> , 2000, 78:280-287
	ABB ✓	Huse et al., "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda," <i>Science</i> , 1989, 246:1275-1281
	ACC ✓	Joki et al., "Continuous release of endostatin from microencapsulated engineered cells for tumor therapy," <i>Nature Biotech.</i> , 2001, 19:35-39
	ADD ✓	Kluszyński et al., "Zinc as a Cofactor for Heparin Neutralization by Histidine-rich Glycoprotein," <i>J. Biol. Chem.</i> , 1997, 272(21):13541-13547
	AEE ✓	Köhler and Milstein, "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> , 1975, 256:495-497
	AFF ✓	Koide et al., "The heparin-binding site(s) of histidine-rich glycoprotein as suggested by sequence homology with antithrombin III," <i>FEBS Lett.</i> , 1986, 194(2):242-244
	AGG ✓	Koide et al., "Amino Acid Sequence of Human Histidine-Rich Glycoprotein Derived from the Nucleotide Sequence of Its cDNA," <i>Biochemistry</i> , 1986, 25:2219-2225
	AHH ✓	Kozbor and Roder, "The production of monoclonal antibodies from human lymphocytes," <i>Immunol. Today</i> , 1983, 4(3):72-79
	AII ✓	Kunkel, "Rapid and efficient site-specific mutagenesis without phenotypic selection," <i>Proc. Natl. Acad. Sci. USA</i> , 1985, 82:488-492
	AJJ ✓	Lijnen et al., "Heparin Binding Properties of Human Histidine-rich Glycoprotein," <i>J. Biol. Chem.</i> , 1983, 258(6):3803-3808
	AKK ✓	Matthews et al., "Enhanced Chemiluminescent Method for the Detection of DNA Dot-Hybridization Assays," <i>Analytical Biochemistry</i> , 1985, 151:205-209
	ALL ✓	Nygren, "Conjugation of Horseradish peroxidase to Fab Fragments with Different Homobifunctional and Heterobifunctional Cross-Linking Reagents," <i>J. Histochem. Cytochem.</i> , 1982, 30(5):407-412
	AMM ✓	Pain and Suroli, "Preparation of Protein A-Peroxidase Monoconjugate Using a Heterobifunctional Reagent, and its use in Enzyme Immunoassays," <i>J. Immunol. Meth.</i> , 1981, 40:219-230
	ANN ✓	Peterson et al., "Histidine-rich Glycoprotein Modulation of the Anticoagulant Activity of Heparin," <i>J. Biol. Chem.</i> , 1987, 262(16):7567-7574

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	AOO	Read et al., "Local endostatin treatment of gliomas administered by microencapsulated producer cells," <u>Nature Biotech.</u> , 2001, 19:29-34
	APP	Rylatt et al., "Autorosette Inhibition Factor: Isolation and Properties of the Human Plasma Protein," <u>Eur. J. Biochem.</u> , 1981, 119:641-646
	AQQ	Sambrook et al. (eds.), <u>Molecular Cloning - A Laboratory Manual</u> , 1989, Second Edition, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York, pp. 7.39-7.52
	ARR	Sambrook et al. (eds.), <u>Molecular Cloning - A Laboratory Manual</u> , 1989, Second Edition, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, New York, pp. 16.1-17.44
	ASS	Shigekiyo et al., "Congenital Histidine-Rich Glycoprotein Deficiency," <u>Thromb. Haemost.</u> , 1993, 70(2):263-265
	ATR	Shigekiyo et al., "HRG Tokushima: Molecular and Cellular Characterization of Histidine-Rich Glycoprotein (HRG) Deficiency," <u>Blood</u> , 1998, 91:128-133
	AUU	Simantov et al., "Histidine-rich glycoprotein inhibits the antiangiogenic effect of thrombospondin-1," <u>J. Clin. Invest.</u> , 2001, 107:45-52
	AVV	Sørensen et al., "Determination of the disulphide bridge arrangement of bovine histidine-rich glycoprotein," <u>FEBS Lett.</u> , 1993, 328(3):285-290
	AWW	"Vascular Endothelial Growth Factor," <u>Mini-Reviews &amp; Technical Information</u> , <a href="http://www.rndsystems.com">www.rndsystems.com</a> , pp. 16-17
	AXX	Wennström et al., "The Platelet-derived Growth Factor $\beta$ -Receptor Kinase Insert Confers Specific Signaling Properties to a Chimeric Fibroblast Growth Factor Receptor," <u>J. Biol. Chem.</u> , 1992, 267(19):13749-13756
	AYY	Workman et al., "UKCCCR guidelines for the welfare of animals in experimental neoplasia," <u>Lab. Animals</u> , 1988, 22:195-201
	AZZ	Zehnder and Leung, "Histidine-rich glycoprotein: Is there a role in hemostasis or immune function?" <u>J. Lab. Clin. Med.</u> , 1995, 125:682-683
	AAAA	Zola, <u>Monoclonal Antibodies: A Manual of Techniques</u> , 1987, CRC Press, Inc., Boca Raton, Florida, pp. 147-158

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